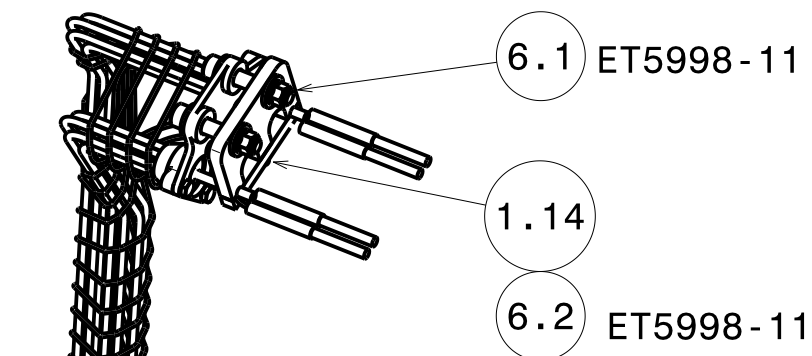
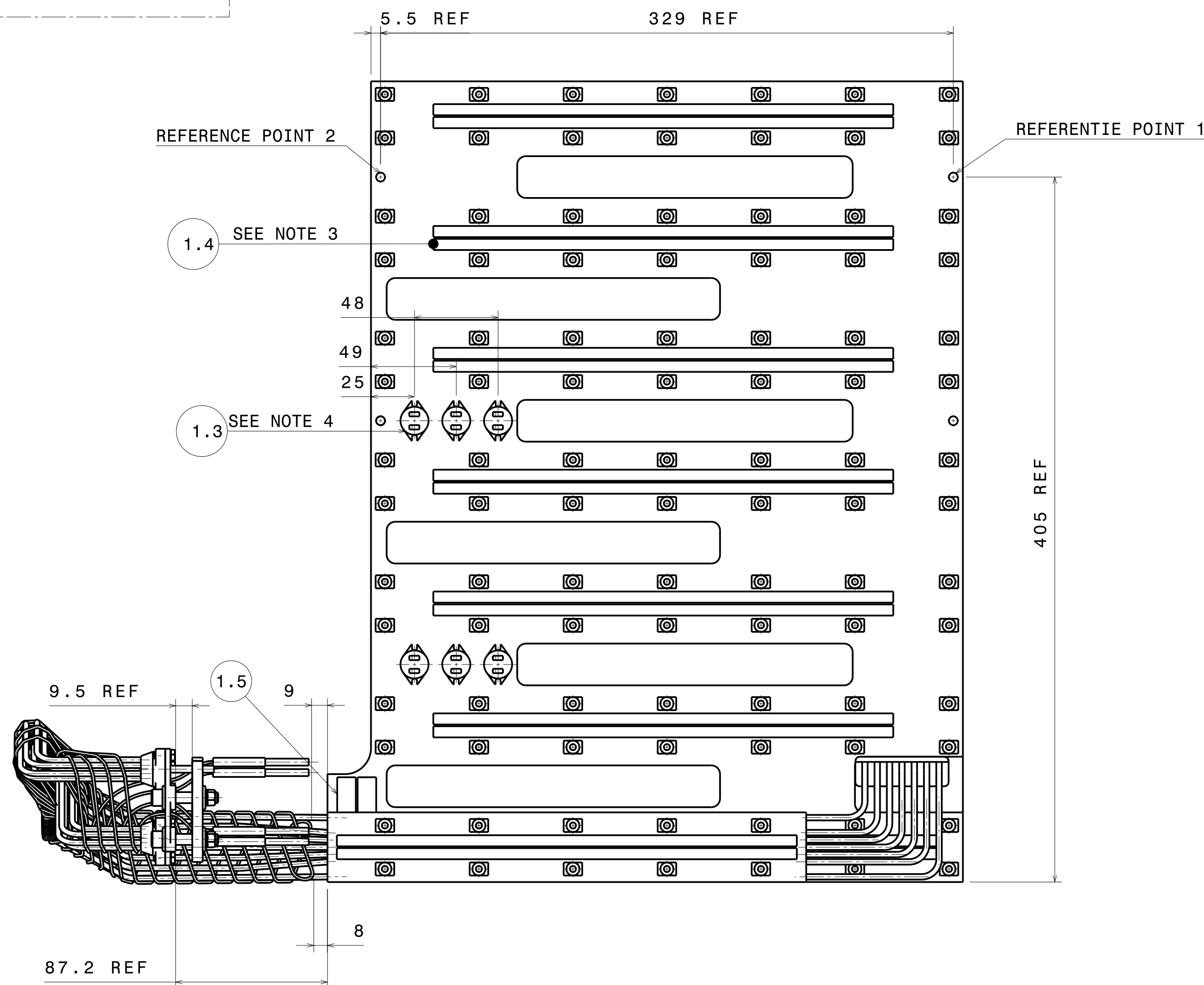
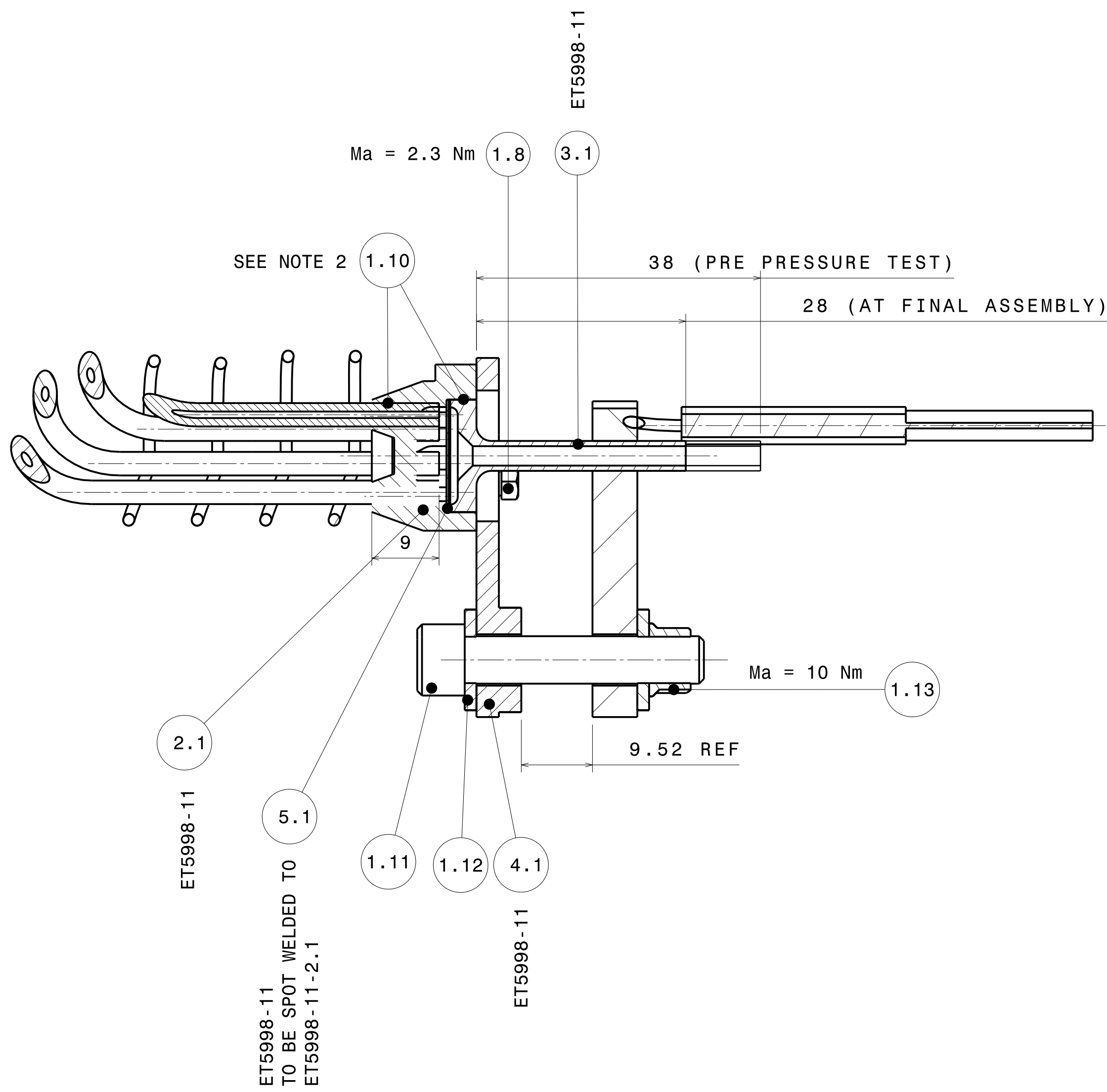
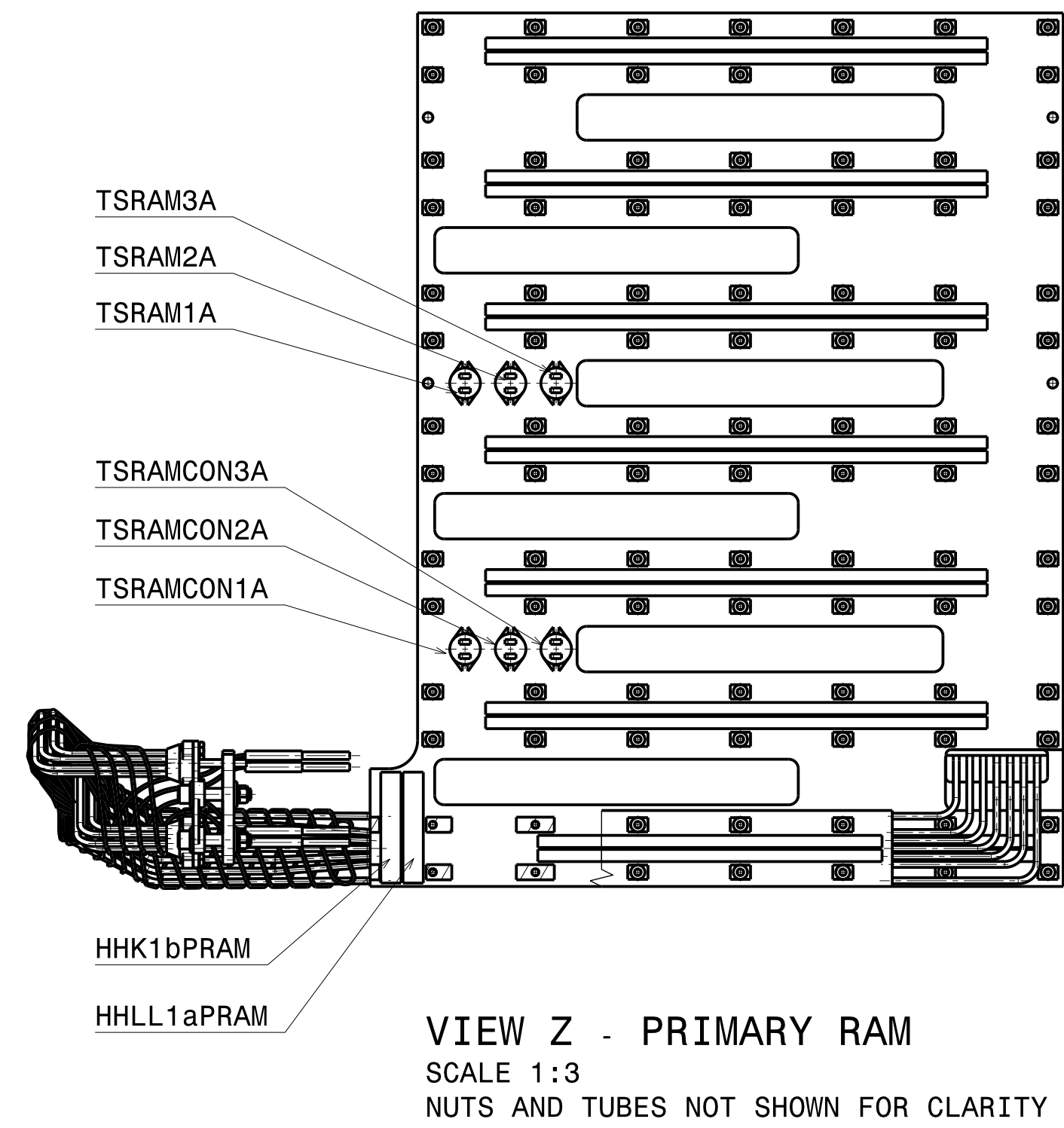
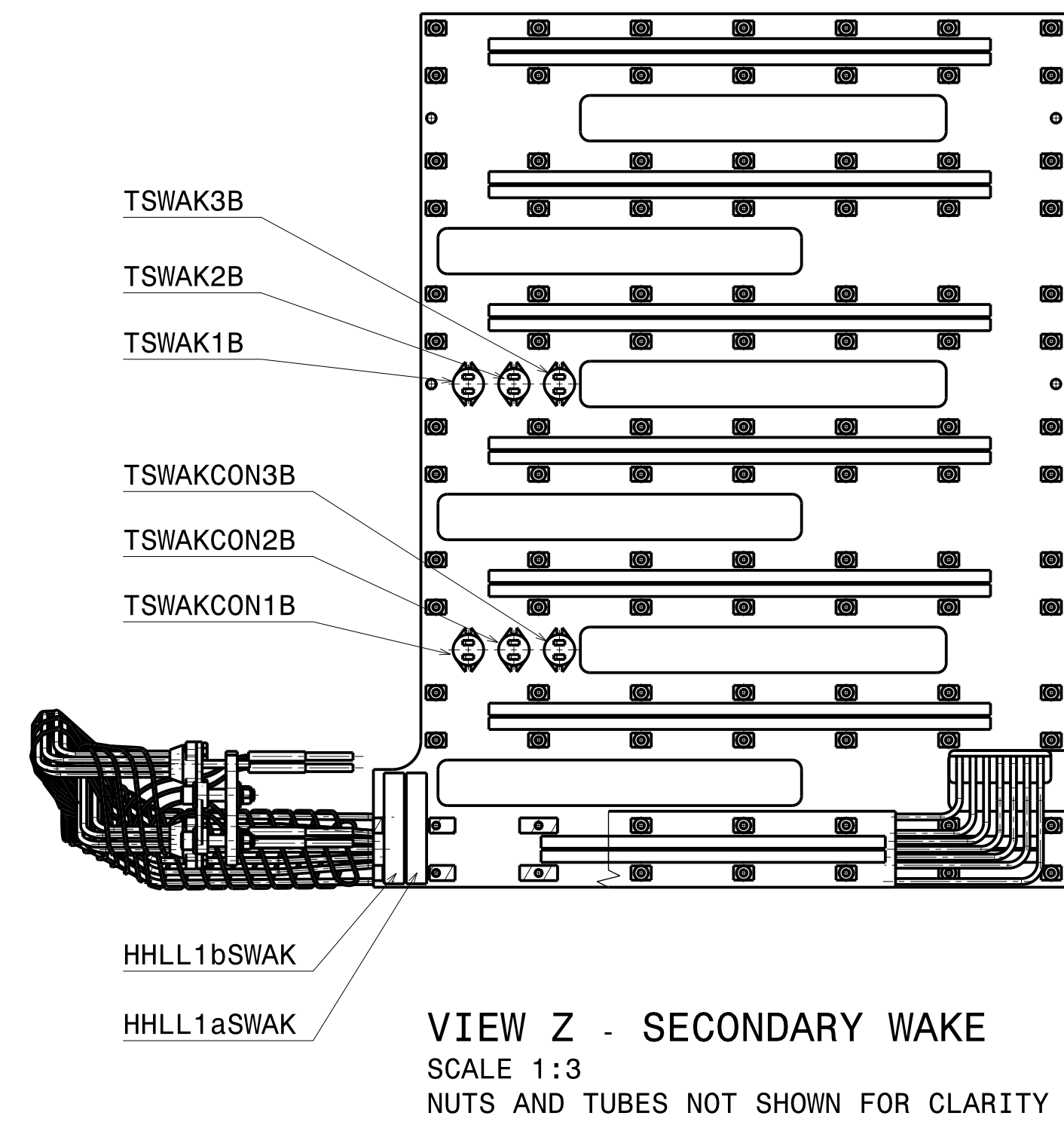
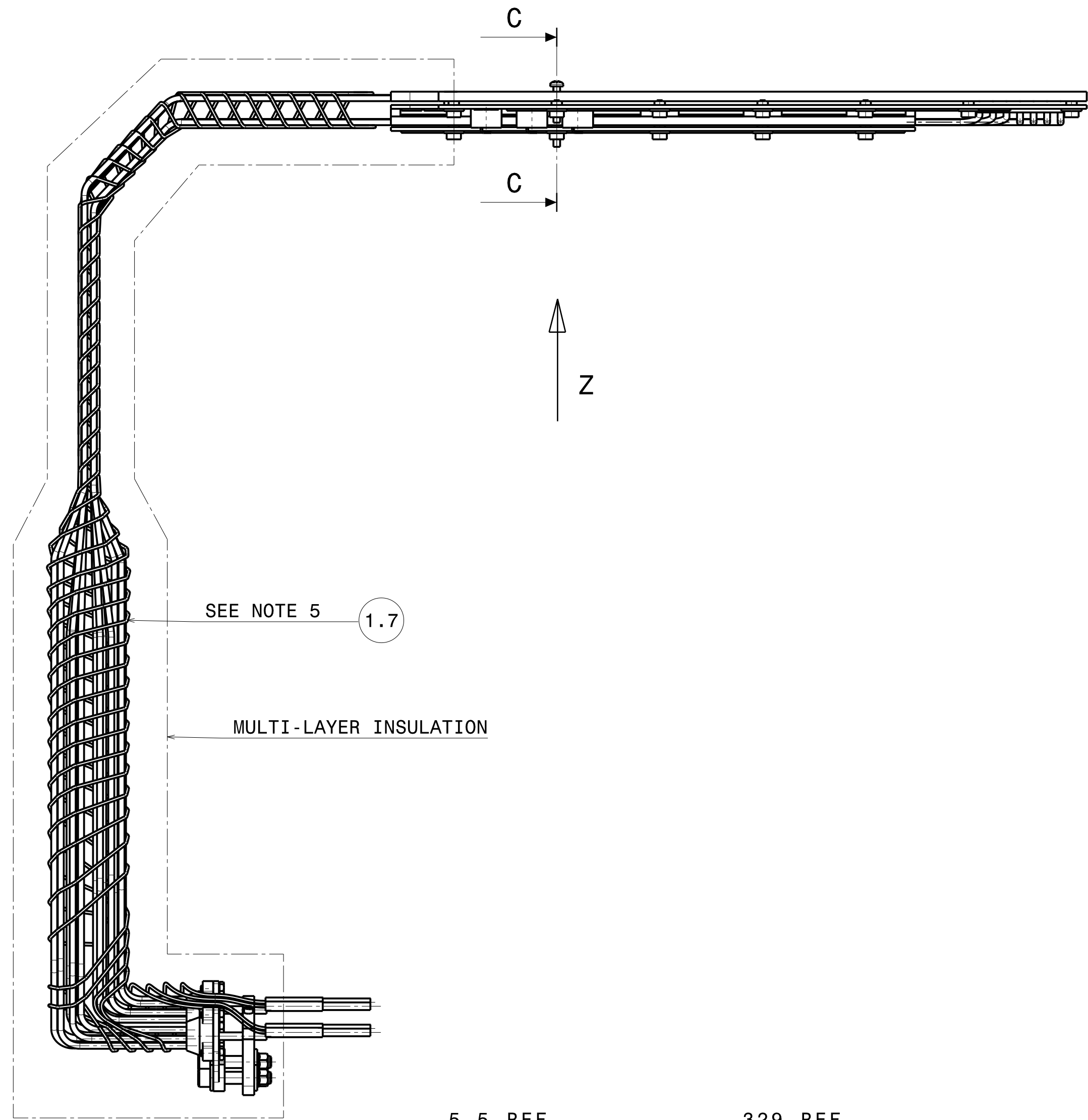
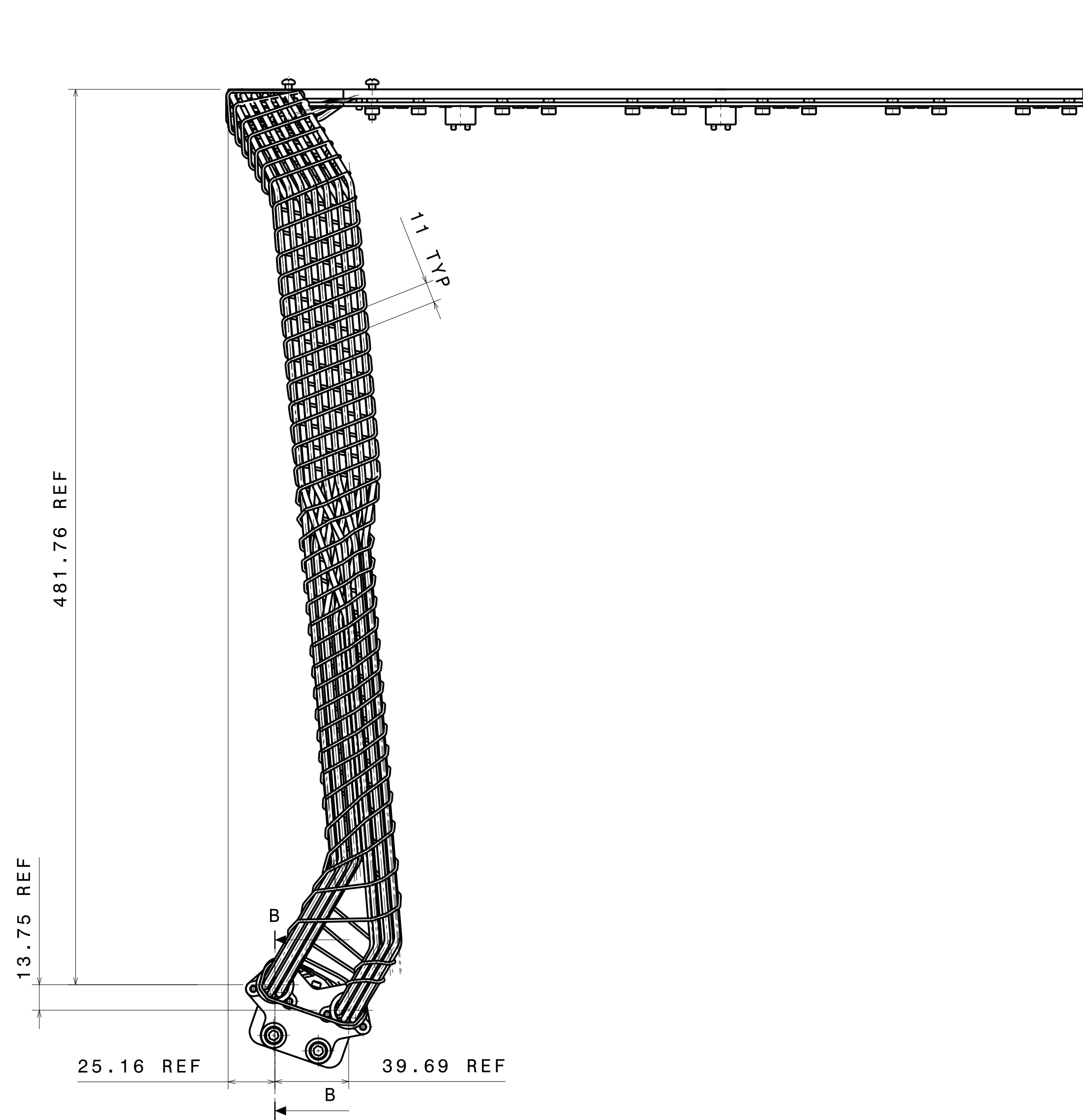


REV.	DATE	DRAWN	CHECKED	APPR.	DESCRIPTION
A	0-10-2008	PP	KVDW	JVE	Added: Heat wire geometry pos.1.7. / Moved: T8 integration strain relief pos. 6.1, 6.2, 1.14
B	20-3-2009	PP	KVDW	JVE	Updated: Views / Added: moments in lbf-in Changed: Partlist Pos. 1.12 to NAS1997-4



- 1.1 SECONDARY WAKE
1.2 PRIMARY RAM

- NOTES:
- 1 - SECONDARY WAKE IS IDENTICAL TO PRIMARY RAM EXCEPT OF LABELING OF HEATERS AND THERMAL SWITCHES
 - 2 - HARDENING AND BRAZING OF MANIFOLD ACCORDING TO PROEDURE AMSTR-NLR-PR-041 'TTCS FM CONDENSER MANIFOLD BRAZING PROCEDURE'
 - 3 - GLUING OF PLATES AND HEATERS ACCORDING TO AMSTR-NLR-PR-038 'TTCS FM CONDENSER GLUING PROCEDURE'
 - 4 - GLUING OF THERMAL SWITCHES ACCORDING TO AMSTR-NLR-PR-037 'THERMAL SWITCH INTEGRATION PROCEDURE'
 - 5 - INSTALLATION OF WIRE HEATERS ACCORDING TO AMSTR-NLR-PR-043 'TTCS FM CONDENSER LIQUID LINE HEATER INSTALLATION PROCEDURE'

QTY FOR BOTH CONDENSERS		
1.14	2	SCREW, CAP, SOCKET HEAD
1.13	8	NUT
1.12	16	WASHER
1.11	8	SCREW, CAP, SOCKET HEAD
1.10	AR	SOLDER
1.9	AR	GLUE
1.8	12	BOLT, SELF-LOCKING, HEX HEAD, CRES
1.7	28	HEATER WIRE
1.6	-	-
1.5	4	HEATER
1.4	32	HEATER
1.3	12	THERMAL SWITCH
1.2	1	CONDENSOR PRIMARY RAM
1.1	1	CONDENSOR SECONDARY WAKE

PART NO.		QTY.	PART	REMARKS
1.14	2	SCREW, CAP, SOCKET HEAD	NAS1351M4-08	
1.13	8	NUT	MS21043-4	
1.12	16	WASHER	NAS1587-4	
1.11	8	SCREW, CAP, SOCKET HEAD	NAS1351M4-20	
1.10	AR	SOLDER	AMS4787 (GOLD-NICKEL ALLOY)	
1.9	AR	GLUE	MASTERBOND EP21TDC-2LO	
1.8	12	BOLT, SELF-LOCKING, HEX HEAD, CRES	MS21095-1-001	
1.7	28	HEATER WIRE	Thermocox ZU2ACT5/4cm-336cm-4cm/2°DM10/CEMENT8/2219/WHITE/200mm	
1.6	-	-	-	
1.5	4	HEATER	MINCO FOIL K5222, AWG 26, TYPE 1	
1.4	32	HEATER	MINCO FOIL HNS203R48-4L12B, AWG 22, TYPE 9	
1.3	12	THERMAL SWITCH	HONEYWELL TS705 PART NO. G311P651/037055-13A005	
1.2	1	CONDENSOR PRIMARY RAM		
1.1	1	CONDENSOR SECONDARY WAKE		

SCALE: 1:2, (2:1, 1:3)		
LARGER THAN	UNTIL INCL.	TOL.
0,5	3	±0,05
3	6	±0,05
6	30	±0,1
30	120	±0,15
120	400	±0,2
400	1000	±0,3

NOMINAL DIMENSION		NOMINAL LENGTH OF SHORT ANGLE SIDE		ANGLE DEVIATION	
LARGER THAN	UNTIL INCL.	LARGER THAN	UNTIL INCL.	DEG.	mm / 100mm
0,5	3	10	51°	±1,8	
3	6	50	±0,5°	±0,8	
6	30	120	±0,3°	±0,5	
30	120	400	±0,15°	±0,3	

DATE:	2007-11-08	PROJECT: CHAPTER NO.1	DRW. NO. 1
DESIGNED:	K. VAN DE WETERING	PROJECT: SW & PR CONDENSER ASSEMBLY FM	SIZE: A0
DRAWN:	R. THALEN	NATIONAL AEROSPACE LABORATORY	CATIA DRAWN
CHECKED:	G.A. ELBERTSEN	DRAWING ACCORDING TO DUTCH STANDARDS	100%
APPROVED:	J. VAN ES		100%
SUBJECT:	AMS TTCS		

